

NASA Educational Workshops
National Science Teachers Association
1840 Wilson Boulevard
Arlington, VA 22201-3000

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National Aeronautics and
Space Administration

Educational Program

Teachers

Grades K-12

NASA Educational Workshops (NEW) for Educators K-12



Workshops will be held at these NASA Centers:

Ames Research Center
Moffett Field, California

Glenn Research Center
Cleveland, Ohio

Jet Propulsion Laboratory
Pasadena, California

Kennedy Space Center
Florida

Marshall Space Flight Center
Huntsville, Alabama

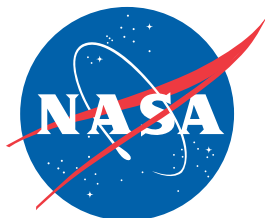
Dryden Flight Research Center
Edwards, California

Goddard Space Flight Center
Greenbelt, Maryland

Johnson Space Center
Houston, Texas

Langley Research Center
Hampton, Virginia

Stennis Space Center
Mississippi



NASA EDUCATIONAL WORKSHOPS



NASA Educational Workshops (NEW) model the integration of the national standards in mathematics, science and technology. Educators will be provided with an opportunity to observe NASA's state-of-the-art research and development through direct interaction with NASA scientists, engineers, technicians and educational specialists at a NASA Field Center. Translation activities are incorporated into the workshop to help teachers adapt their new content knowledge, experience and materials into their specific educational situations.

Selected participants will spend two weeks in the summer at one of NASA's Centers. **Travel, housing and meal expenses are provided by NASA.** Graduate credit is available. The two-week workshops occur during mid-June through mid-August. Participants will be notified by April 15th of their NASA Center assignment and workshop dates.

ELIGIBILITY

All applicants must:

- Be citizens of the United States
- Be certified
- Instruct full time in public or private schools in the U.S., the U.S. territories, Department of Defense Dependant Schools, Department of State Overseas Schools, or Bureau of Indian Affairs Schools
- Have a minimum of three years teaching experience
- Instruct at the K–6 grade levels; or
- Instruct mathematics, science, or technology at the K–12 grade level; or
- Serve students at the K–12 grade level as a media specialist, resource teacher, curriculum specialist, or counselor with a special interest in mathematics, science, or technology
- **SUBMIT THE ORIGINAL AND TWO COPIES OF THE ENTIRE APPLICATION PACKAGE: PARTS A AND B (I-IV) NO LATER THAN FEBRUARY 20.**

Previous applicants are encouraged to reapply; however, previous participants are ineligible.

WORKSHOP ACTIVITIES

Workshop participants will:

- Visit applied research facilities;
- Examine topics relating to Earth Science, Aero-Space Technology, Human Exploration and Development of Space, and Space Science;
- Collect and review educational materials in the Educator Resource Center;
- Share their teaching experiences and ideas with other participants;
- Practice a "hands on/minds on" instructional approach integrating science, mathematics and technology;
- Have an opportunity to work cooperatively in groups and discuss the use of new knowledge and skills in their own classroom; and
- Work with their colleagues to model teaching, learning, assessment and professional development strategies called for in the science, mathematics and technology education standards.

APPLICATION FORM

All applications must be sent to NSTA, NASA Educational Workshops,
1840 Wilson Boulevard, Arlington, VA 22201-3000.

Original application and two copies must be received by NSTA no later than February 20.

PART A

Applicant's Name _____
Home Address _____
City _____ State _____ Zip _____
Home Phone _____ Home Fax _____
Home E-mail _____
Social Security No. _____ U.S. Citizen __Yes __No

Completion of this section is voluntary. This information is used to determine how well the program serves all segments of the diverse population.

Gender: __Male __Female Race: __African American __Asian American __Caucasian
__Individual with disabilities __Hispanic __Native American __Pacific Islander _____Other

School _____
School Address _____
City _____ State _____ Zip _____
School Phone _____ School Fax _____
School E-mail _____
School District _____
Principal's Name _____
School Type (Mark all that apply): __Public __Private
__Urban __Suburban __Rural
School Level: __Elementary __Middle/Junior High __High School
Grades you currently teach (mark all that apply)
__K __1 __2 __3 __4 __5 __6 __7 __8 __9 __10 __11 __12

Current Position/Title (mark all that apply)
__Teacher __Media Specialist __Resource Teacher __Curriculum Specialist __Counselor
Other _____

Major Educational Focus (mark all that apply)
__Science __Mathematics __Technology __Self-contained

Current School Year ends: Month _____ Day _____ Year _____
Year Round Session Dates: _____

Failure to complete the application or breach of eligibility requirements may result in disqualification.

THE INFORMATION IN MY APPLICATION IS ACCURATE TO THE BEST OF MY KNOWLEDGE.

Signature of Applicant _____

Date _____

Part A can be filled out via computer by downloading the application from the NEW web site:
<http://www.nsta.org/programs/new.htm>

PART B

Respond to the following items. Responses should be double-spaced, on 8 1/2"x11" paper, one side only.

I. ACADEMIC AND PROFESSIONAL EXPERIENCE

Summarize your professional background and experience as outlined below. Do not exceed three (3) pages.

- 1. Current Assignment-** Describe in detail, listing courses you teach and other related duties. Account for 100% of your time.
- 2. Formal Education-** List institution(s), date and type of degree(s) received and major and minor area(s) of study.
- 3. Teaching Experience-** List school(s), teaching assignments, dates, and other information that provides an accurate portrayal of your teaching experience.
- 4. Professional Activities-** Provide examples that might include research interest, inservice participation, membership in professional organizations, publications, etc.
- 5. Other Teaching-Related Activities-** Provide examples that might include outreach to the community, liaison with local/regional businesses, special youth programs, etc.

II. ESSAY QUESTIONS (maximum one page per question)

- 1.** Describe how you incorporate into your teaching, the content, methodology and assessment called for in the national standards and/or your state framework.
- 2.** Describe the innovative and motivational approaches you use to address the educational needs of your students.
- 3.** Outline and describe a plan for using the knowledge and resources you will receive during the workshop with your students, school and community.

III. CERTIFICATION

Attach a copy of your current certification(s).

IV. LETTERS OF RECOMMENDATION

Attach three letters of recommendation: one letter from an administrator indicating the willingness of the school, and/or district to provide you with an opportunity to share your NASA workshop materials and information with educators; and two additional letters from individuals familiar with your ability to motivate students and promote educational excellence. These letters should contain specific examples.

ADDITIONAL LETTERS OR MATERIALS WILL NOT BE CONSIDERED.

Submitted materials become the property of NASA and will not be returned.

This application may be duplicated. Additional copies may also be obtained via the NEW web site: <http://www.nsta.org/programs/new.htm> or e-mail: new@nsta.org; or by fax: 703-522-5413; or Fax-on-Demand: 1-888-400-6782, document #581.

The NASA Educational Workshops (NEW) are sponsored and implemented by the National Aeronautics and Space Administration (NASA). The National Science Teachers Association (NSTA) serves as an educational partner to the program and provides administrative support.

International Technology Educational Association (ITEA) and the National Council of Teachers of Mathematics (NCTM) also provide educational guidance to NASA for this program.

ORIGINAL APPLICATION AND TWO COPIES MUST BE RECEIVED AT NSTA BY FEBRUARY 20.